

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

WIN-1437

Effective August 1, 2011

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **October 2014**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Premium Atlantic Aluminum 6500 Horizontal Slider Windows, Individual, New and Replacement Construction, Non-impact Resistant, manufactured by:

JELD-WEN Windows and Doors
Venice Window Division
355 Center Court
Venice, FL 34285
Telephone: (541) 882-3451 x2921

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The Series 6500 windows are aluminum horizontal slider windows. The aluminum horizontal slider windows evaluated in this report are individual, non-impact, resistant windows. This product evaluation report is for aluminum horizontal slider windows based on the following tested constructions:

General Description:

System	Description	Label Rating
1	PAA 6500 Horizontal Slider Window; (XX)	HS-R65 52 x 50
2	PAA 6500 Horizontal Slider Window; (XX)	HS-C55 73 x 62 Neg. DP = 65
3	PAA 6500 Horizontal Slider Window; (XX)	HS-R60 73 x 50

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Daylight Opening Size
1	52 $\frac{1}{8}$ " x 49 $\frac{5}{8}$ "	Two: 26 $\frac{3}{32}$ " x 46 $\frac{13}{16}$ "	22 $\frac{3}{16}$ " x 43 $\frac{13}{16}$ "
2	73" x 62"	Two: 36.525" x 59.2"	32 $\frac{5}{8}$ " x 56.187"
3	73" x 49 $\frac{5}{8}$ "	Two: 36.525" x 46.83"	32 $\frac{5}{8}$ " x 43.813"

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	SG-1	GM-1
2	SG-2, IG-1	GM-1
3	SG-1	GM-1

Note: ¹ See the "Glass Construction Key" for the glazing construction.

² See the "Glazing Method Description Key" for the glazing method description.

Glass Construction Key:

SG-1: The sashes are single glazed with a $\frac{3}{16}$ " annealed glass lite. The glass thickness and type used in the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

SG-2: The sashes are single glazed with a $\frac{1}{8}$ " thick tempered glass lite. The glass thickness and type used in the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

IG-1: The insulated unit is comprised of two lites of $\frac{3}{16}$ " annealed glass separated by a $\frac{1}{4}$ " silicone foam Edgetech super spacer. The glass thickness and type used in the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Description Key:

GM-1: The glass lites are interior glazed using Dow Corning 995 silicone back bedding with a 0.75" bite on the glass.

Frame Construction: The frame members are constructed of extruded aluminum.

Sash Construction: The sash members are manufactured from extruded aluminum.

Reinforcement: The windows have meeting rail reinforcement.

Product Identification: A certification program label (AAMA) will be affixed to the window. The certification program label includes the manufacturer's code name (**JW-19**); the product name: **PAA HS 6500**; performance characteristics; the approved inspection agency (AAMA); and the applicable standards: AAMA/WDMA/CSA 101/I.S.2/A440-05.

LIMITATIONS

Design pressures (DP):

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	52	50	± 65
2	73	62	+55, -65
3	73	50	± 60

Impact Resistance: These window assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These window assemblies will need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

Tested to Higher Negative Design Pressure: The AAMA label indicates that the product was tested to a higher negative design pressure rating. The higher negative design pressure rating is specified in the table above.

Acceptance of Smaller Assemblies: Windows assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS

General: The window assembly shall be prepared and installed in accordance with the manufacturers recommended installation instructions. Detailed installation instructions and drawings are available from the manufacturer.

Installation:

System 1 (Fin Installation to Wood): The wall framing shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be secured to the wall framing using the nailing fin of the window with minimum No. 10 screws. The fasteners shall be located approximately $4\frac{1}{4}$ inches from each corner, and approximately $13\frac{3}{4}$ inches on center along the side jambs, and 11 inches on center along the head and sill. The fasteners shall be long enough to penetrate a minimum of $1\frac{1}{2}$ inches into the wall framing.

System 1 (Frame Installation to Wood): The wall framing shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be secured to the wall framing using the nailing fin of the window with minimum No. 10 screws. The fasteners shall be located approximately $4\frac{1}{4}$ inches from each corner, and approximately $13\frac{3}{4}$ inches on center along the side jambs, and 11 inches on center along the head and sill. The fasteners shall be long enough to penetrate a minimum of $1\frac{1}{2}$ inches into the wall framing.

System 1 (Frame Installation to Concrete or CMU): The wall framing shall be precast concrete, cast in place concrete, or grout-filled concrete masonry units (CMU) construction. The window is secured to the wall framing members with minimum $\frac{1}{4}$ " diameter Tapcons. The fasteners shall be located approximately $4\frac{1}{4}$ inches from each corner, and approximately $13\frac{3}{4}$ inches on center along the side jambs, and 11 inches on center along the head and sill. The fasteners shall be long enough to penetrate a minimum of $1\frac{3}{4}$ inches into the wall framing and shall be located a minimum of 3 inches from the edge of the opening.

System 1 (Frame Installation to Steel): The wall framing shall be minimum 12 gauge steel. The window is secured to the wall framing members with minimum No. 14 Tek screws. The fasteners shall be located approximately $4\frac{1}{4}$ inches from each corner, and approximately $13\frac{3}{4}$ inches on center along the side jambs, and 11 inches on center along the head and sill. The fasteners shall be long enough to penetrate through the steel framing a minimum of 3 threads.

System 2 and 3 (Fin Installation to Wood): The wall framing shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be secured to the wall framing using the nailing fin of the window with minimum No. 10 screws. The fasteners shall be located approximately $4\frac{1}{4}$ inches from each corner, and approximately $13\frac{3}{8}$ inches on center along the side jambs, and $16\frac{1}{8}$ inches on center along the head and sill. The fasteners shall be long enough to penetrate a minimum of $1\frac{1}{2}$ inches into the wall framing.

System 2 and 3 (Frame Installation to Wood): The wall framing shall be minimum Spruce-Pine-Fir dimension lumber. The window is secured to the wall framing members with minimum No. 10 screws. The fasteners shall be located approximately $4\frac{1}{4}$ inches from each corner, approximately $12\frac{3}{4}$ inches on center along the head, and $8\frac{3}{4}$ inches on center along each side jamb. The fasteners shall be long enough to penetrate a minimum of $1\frac{1}{2}$ inches into the wall framing.

System 2 and 3 (Frame Installation to Concrete or CMU): The wall framing shall be precast concrete, cast in place concrete, or grout-filled concrete masonry units (CMU) construction. The window is secured to the wall framing members with minimum $\frac{1}{4}$ " diameter Tapcons. The fasteners shall be located approximately $4\frac{1}{4}$ inches from each corner, approximately $12\frac{3}{4}$ inches on center along the head, and $8\frac{3}{4}$ inches on center along each side jamb. The fasteners shall be long enough to penetrate a minimum of $1\frac{3}{4}$ inches into the wall framing and shall be located a minimum of 3 inches from the edge of the opening.

System 2 and 3 (Frame Installation to Steel): The wall framing shall be minimum 12 gauge steel. The window is secured to the wall framing members with minimum No. 10 Tek screws. The fasteners shall be located approximately $4\frac{1}{4}$ inches from each corner, approximately $12\frac{3}{4}$ inches on center along the head, and $8\frac{3}{4}$ inches on center along each side jamb. The fasteners shall be long enough to penetrate through the steel framing a minimum of 3 threads.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.